



JUN 05 2006 Doc Code: SU-7275

PTO/SB/17 (12-04v2)

Approved for use through 07/31/2006. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL for FY 2005

 Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)**\$180.00**

## Complete if Known

Application Number	10/603,130
Filing Date	June 24, 2003
First Named Inventor	ERIC W. LIIMATTA
Examiner Name	Arthur L. Corbin
Art Unit	1761
Attorney Docket No.	SU-7275

## METHOD OF PAYMENT (check all that apply)

 Check     Credit Card     Money Order     None     Other (please identify): \_\_\_\_\_ Deposit    Deposit Account Number: **01-0659**    Deposit Account Name: **Albemarle Corp.**

(Ord. # 06-099)

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

<input checked="" type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee
<input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s) under 37 CFR 1.16 and 1.17	<input type="checkbox"/> Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

## FEE CALCULATION

## 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fees Paid(\$)
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

## 2. EXCESS CLAIM FEES

## Fee Description

Each claim over 20 (including Reissues)

<u>Small Entity</u>	<u>Fee (\$)</u>
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50	25
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Each independent claim over 3. (including Reissues)

200	100
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Multiple dependent claims

360	180
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## Total Claims

## Extra Claims

## Fee (\$)

## Fee Paid (\$)

## Fee (\$)

## Fee Paid (\$)

$$- 20 \text{ or HP} = \text{ } \times \$50.00 = \$0.00$$

HP = highest number of total claims paid for, if greater than 20.

## Indep. Claims

## Extra Claims

## Fee (\$)

## Fee Paid (\$)

$$- 3 \text{ or HP} = \text{ } \times \$200.00 = \$0.00$$

HP = highest number of independent claims paid for, if greater than 3.

## 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listing under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	0 / 50 0	(round up to a whole)	x \$250.00	= \$0.00

## 4. OTHER FEE(S)

Non-English specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Sixth Supplemental Information Disclosure Statement

\$180.00

## SUBMITTED BY

Signature		Registration No. (Attorney/Agent)	48,227	Telephone	225-388-8191
Name (Print/Type)	JEREMY J. KLIEBERT		Date	June 2, 2006	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ERIC W. LIIMATTA

SERIAL NO.: 10/603,130

FILED: JUNE 24, 2003

MICROBIOCIDAL CONTROL IN THE  
PROCESSING OF POULTRY

EXAMINER:  
ARTHUR L. CORBIN

ART UNIT: 1761

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Enclosed herewith for consideration by the Examiner is a Sixth Supplemental Information Disclosure Form PTO/SB/08A and PTO/SB/08b. There are 124 U.S. patent references listed but not enclosed and 25 foreign patent documents and 30 literature references listed and enclosed.

Respectfully Submitted,

John F. Sieberth  
Sieberth & Patty, L.L.C.  
4703 Bluebonnet Blvd.  
Baton Rouge, LA 70809

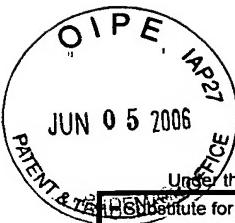
Telephone: (225) 291-4600  
Facsimile: (225) 291-4606

**CERTIFICATE OF MAILING**

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited on the date shown below with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Albertha M. Bartney



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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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Application Number	10/603,130
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First Named Inventor	Eric W. Liimatta
Group Art Unit	1761
Examiner Name	Arthur L. Corbin

Attorney Docket Number SU-7275

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
US-45	US-2130805		09-20-1938	Levine	
US-46	US-2392505		01-08-1946	Rogers	
US-47	US-2398598		04-16-1946	Rogers	
US-48	US-2795556		06-11-1957	Quinn	
US-49	US-2868787		01-13-1959	Paterson	
US-50	US-2920997		01-12-1960	Wolf et al.	
US-51	US-2971959		02-14-1961	Waugh et al.	
US-52	US-2971960		02-14-1961	Waugh et al.	
US-53	US-3121715		02-18-1964	Waugh et al.	
US-54	US-3147219		09-01-1964	Paterson	
US-55	US-3147259		09-01-1964	Paterson	
US-56	US-3152073		10-06-1964	Morton	
US-57	US-3170883		02-23-1965	Owen et al.	
US-58	US-3308062		03-07-1967	Gunther	
US-59	US-3328294		06-27-1967	R.W. Self et al.	
US-60	US-3345371		10-03-1967	Paterson	
US-61	US-3589859		06-29-1971	Foroulis	
US-62	US-3626972		12-14-1971	Lorenzen	
US-63	US-3711246		01-16-1973	Foroulis	
US-64	US-3749672		07-31-1973	Golton et al.	
US-65	US-3767586		10-23-1973	Rutkiewic	
US-66	US-3958020		05-18-1976	DeVries et al.	

## FOREIGN PATENT DOCUMENTS

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		Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
FP-11	CA- 1230825		12-29-1987	Bristol-Myers Co.		
FP-12	CA- 2042430		11-30-1991	Eltech Systems Corp.		
FP-13	CA- 2163596		09-04-1996	S.C. Johnson & Son, Inc.		
FP-14	EP- 0106563		04-25-1984	Rohm and Haas		
FP-15	EP- 0177645 A1		04-16-1986	Girard et al.		

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of US PTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S., P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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First Named Inventor	Eric W. Liimatta
Group Art Unit	1761
Examiner Name	Arthur L. Corbin

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Attorney Docket Number

SU-7275

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		Number-Kind Code <sup>2</sup> ( <i>if known</i> )			
	US-67	US-3961086	01-06-1976	Turbak et al.	
	US-68	US-4032460	06-28-1977	Zilch et al.	
	US-69	US-4078099	03-07-1978	Mazzola	
	US-70	US-4119535	10-10-1978	White et al.	
	US-71	US-4126717	11-21-1978	Mazzola	
	US-72	US-4136052	01-23-1979	Mazzola	
	US-73	US-4199001	04-22-1980	Kratz	
	US-74	US-4199602	04-22-1980	Lentsch	
	US-75	US-4237090	12-02-1980	DeMonbrun et al.	
	US-76	US-4242216	12-30-1980	Daugherty et al.	
	US-77	US-4250910	02-17-1981	King	
	US-78	US-4258056	03-24-1981	Lentsch	
	US-79	US-4270565	06-02-1981	King, Sr.	
	US-80	US-4293425	10-06-1981	Price	
	US-81	US-4295932	10-20-1981	Pocius	
	US-82	US-4327151	04-27-1982	Mazzola	
	US-83	US-4331174	05-25-1982	King, Sr.	
	US-84	US-4362753	12-07-1982	Barta	
	US-85	US-4376787	03-15-1983	Lentsch et al.	
	US-86	US-4382799	05-10-1983	Davis et al.	
	US-87	US-4388811	06-21-1983	Zebarth	
	US-88	US-4420394	12-13-1983	Lewis	
	US-89	US-4427435	01-24-1984	Lorenz et al.	
	US-90	US-4427692	01-24-1984	Girard	
	US-91	US-4451376	05-29-1984	Sharp	

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		Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>if known</i> )				
	FP-16	EP- 0206725	12-30-1986	Jeyes Group Limited		
	FP-17	EP- 0228593	07-15-1987	Chesebrough-Pond's Inc.		
	FP-18	EP- 0550137 A2	07-07-1993	Greenley et al.		
	FP-19	EP- 0581826	02-09-1994	Jeyes Limited		
	FP-20	GB- 1054243	01-04-1967	Wallace Cameron & Co.		

Examiner Signature	Date Considered
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Application Number	10/603,130
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First Named Inventor	Eric W. Liimatta
Group Art Unit	1761
Examiner Name	Arthur L. Corbin
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		Number-Kind Code <sup>2</sup> (if known)			
US-92	US-4465598		08-14-1984	Darlington et al.	
US-93	US-4465839		08-14-1984	Schulte et al.	
US-94	US-4469848		09-04-1984	Hooper et al.	
US-95	US-4476930		10-16-1984	Wantanabe	
US-96	US-4490308		12-25-1984	Fong et al.	
US-97	US-4532330		07-30-1985	Cole	
US-98	US-4534963		08-13-1985	Gordon	
US-99	US-4537697		08-27-1985	Girard	
US-100	US-4539071		09-03-1985	Clifford et al.	
US-101	US-4546156		10-08-1985	Fong et al.	
US-102	US-4560766		12-24-1985	Girard et al.	
US-102	US-4566973		01-28-1986	Masler, III et al.	
US-104	US-4571333		02-18-1986	Hsiao et al.	
US-105	US-4595517		06-17-1986	Abadi	
US-106	US-4595691		06-17-1986	LaMarre et al.	
US-107	US-4597941		07-01-1986	Bottom et al.	
US-108	US-4604431		08-05-1986	Fong et al.	
US-109	US-4617117		10-14-1986	Messinger et al.	
US-110	US-4621096		11-04-1986	Cole	
US-111	US-4728442		03-01-1988	Shuttlewood et al.	
US-112	US-4642194		02-10-1987	Johnson	
US-113	US-4654424		03-31-1987	Girard et al.	
US-114	US-4659359		04-21-1987	Lorenz et al.	
US-115	US-4661503		04-28-1987	Martin et al.	
US-116	US-4662387		05-05-1987	King, sr.	

**FOREIGN PATENT DOCUMENTS**

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FP-21	GB- 1600289		10-14-1981	Wilson et al.		
FP-22	GB- 2267487 A		12-08-1993	Mason		
FP-23	GB- 2273106		06-08-1994	Jeyes Group PLC		
FP-24	JP- 56158333		12-07-1981	Teijin Ltd.	Pages translated	
FP-25	JP- 7299468		11-14-1995	Hakuto Co., Ltd	Pages translated	

Examiner Signature	Date Considered
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	US-117	US-4677130	06-30-1987	Puzig	
	US-118	US-4680339	07-14-1987	Fong	
	US-119	US-4680399	07-14-1987	Buchardt	
	US-120	US-4681948	07-21-1987	Worley	
	US-121	US-4692335	09-08-1987	Iwanski	
	US-122	US-4698165	10-06-1987	Theyson	
	US-123	US-4703092	10-27-1987	Fong	
	US-124	US-4711724	12-08-1987	Johnson	
	US-125	US-4713079	12-15-1987	Chun et al.	
	US-126	US-4728453	03-01-1988	Choy	
	US-127	US-4745189	05-17-1988	Lee et al.	
	US-128	US-4752443	06-21-1988	Hoots et al.	
	US-129	US-4759852	07-26-1988	Trulear	
	US-130	US-4762894	08-09-1988	Fong et al.	
	US-131	US-4767542	08-30-1988	Worley	
	US-132	US-4770884	09-13-1988	Hill et al.	
	US-133	US-4777219	10-11-1988	Fong	
	US-134	US-4780197	10-25-1988	Schuman	
	US-135	US-4801388	01-31-1989	Fong et al.	
	US-136	US-4802990	02-07-1989	Inskeep, Jr.	
	US-137	US-4803079	02-07-1989	Hsiao et al.	
	US-138	US-4822512	04-18-1989	Auchincloss	
	US-139	US-4822513	04-18-1989	Corby	
	US-140	US-4846979	07-11-1989	Hamilton	

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	FP-26	WO-8103110	11/12/1981	Barta		
	FP-27	WO- 88/02987	05-05-1988	Great Lakes Chemical Corp.		
	FP-28	WO- 90/15780 A1	12-27-1990	Rakestraw et al.		
	FP-29	WO- 96/28173 A1	09-19-1996	Mullerat et al.		
	FP-30	WO- 96/30491 A1	10-03-1996	Jeyes Group PLC		
	FP-31	WO- 97/15652 A1	05-01-1997	Clorox Co.		

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Application Number	10/603,130
Filing Date	June 24, 2003
First Named Inventor	Eric W. Liimatta
Group Art Unit	1761
Examiner Name	Arthur L. Corbin

Attorney Docket Number SU-7275

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> ( <i>if known</i> )			
	US-141	US-4860554	08-29-1989	Innes et al.	
	US-142	US-4867895	09-19-1989	Choy	
	US-143	US-4883600	11-28-1989	MacDonald et al.	
	US-144	US-4886915	12-12-1989	Favstritsky	
	US-145	US-4898686	02-06-1990	Johnson et al.	
	US-146	US-4906651	03-06-1990	Hsu	
	US-147	US-4919841	04-24-1990	Kamel et al.	
	US-148	US-4923634	05-08-1990	Hoots et al.	
	US-149	US-4925866	05-15-1990	Smith	
	US-150	US-4929424	05-29-1990	Meier et al.	
	US-151	US-4929425	05-29-1990	Hoots et al.	
	US-152	US-4964892	10-23-1990	Hsu	
	US-153	US-4966716	10-30-1990	Favstritsky et al.	
	US-154	US-4992209	02-12-1991	Smyk et al.	
	US-155	US-4995987	02-26-1991	Whitekettle et al.	
	US-156	US-5017369	05-21-1991	Marhevka	
	US-157	US-5034155	07-23-1991	Soeder et al.	
	US-158	US-5035806	07-30-1991	Fong et al.	
	US-159	US-5047164	09-10-1991	Corby	
	US-160	US-5055285	10-08-1991	Duncan et al.	
	US-161	US-5057612	10-15-1991	Worley et al.	
	US-162	US-5076315	12-31-1991	King	
	US-163	US-5089127	02-18-1992	Junker et al.	
	US-164	US-5118426	06-02-1992	Duncan et al.	
	US-165	US-5120452	06-09-1992	Ness et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>if known</i> )				
	FP-32	WO- 97/20546 A1	06-12-1997	Petri et al.		
	FP-33	WO- 97/20909 A1	6-12-1997	Petri et al.		
	FP-34	WO- 97/34827 A1	09-25-1997	Dallmier et al.		

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Sheet	6	of	8	Application Number	10/603,130
				Filing Date	June 24, 2003
				First Named Inventor	Eric W. Liimatta
				Group Art Unit	1761
				Examiner Name	Arthur L. Corbin
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

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**Complete if Known**

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Examiner Name	Arthur L. Corbin
Attorney Docket Number	SU-7275

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	L-127	CABA Copyright 2002 CABI Abstract of Bukh, K., "Use of Chlorine in Experiments on Controlling Swine Dysentery", Dansk Veterinaertidsskrift, (1988), vol 71, no. 24, pp. 1278-1286.	
	L-128	CAPLUS Abstract of Heir, et al., "The Staphylococcus qacH gene product: a new member of the SMR family encoding multidrug resistance", FEMS Microbiol. Lett. (1998), 163(1), ppg 49-56. Accession No. 1998:343309 CAPLUS	
	L-129	CAPLUS Abstract of Sanderson et al., "Case Reports: epidemic eye and upper respiratory irritation in poultry processing plants", Appl. Occup Environ. Hyg, 1995, 10(1), 43-9. Accession No. 1995:439186 CAPLUS	
	L-130	Frosti Abstract of Bocharov D.A., "Disinfection of Poultry Processing Plant Objects", Proceedings of the 22 <sup>nd</sup> European meeting of Meat Research Workers, Malmo, August- September, I (C6), 4 pp., 1976. Accession No. 78674 Frosti	
	L-131	Frosti Abstract of Lemaitre et al., "Plasmid-mediated resistance to antimicrobial agents among listeriae", Journal of Food Protection, 1998, November, 61 (11), ppg 1459-1464. Accession No. 483547 Frosti	
	L-132	Frosti Abstract of Marriot, N.G., "Meat and poultry sanitation", Essentials of Food Sanitation, published by Chapman & Hall, London, 1997, 188-210. Accession No. 441637 Frosti	
	L-133	Frosti Abstract of Mullerat et al., "Efficacy of Salmide, a sodium chlorite-based oxy-halogen disinfectant, to inactivate bacterial pathogens and extend shelf-life of broiler carcasses", Journal of Food Protection, 1994, 57(7), 596-603. Accession No. 353342 Frosti	
	L-134	Frosti Abstract of Sheldon, B.W., "New and novel chemical and biological approaches for inhibiting pathogens and spoilage microorganisms associated with muscle food systems", Turkeys, 1996, 44(2), 9-12. Accession No. 410383 Frosti	
	L-135	Frosti Abstract of Smith, G., "Poultry industry looks to chlorine dioxide for pathogen control", Meat Processing, 1996, 35(10), 47. Accession No. 429057 Frosti	
	L-136	Frosti Abstract of Sundheim, G., et al., "Resistance of meat associated staphylococci to a quaternary ammonium compound", Food Microbiology, 1992, 9(2), 161-7. Accession No. 291734 Frosti	
	L-137	Frosti Abstract of "Foodborne Pathogen Control", Poultry International, 1994, (July), 62, author unknown. Accession No. 359896 Frosti	
	L-138	HCAPLUS Abstract of JP 07171576 A2 issued 1995.	
	L-139	HCAPLUS Abstract of JP 07277912 A2 issued 1995.	
	L-140	HCAPLUS Abstract of JP 08027119 A2 issued 1996.	
	L-141	HCAPLUS Abstract of JP 08239699 A2 issued 1996.	
	L-142	HCAPLUS Abstract of JP 09087684 A2 issued 1997.	
	L-143	HCAPLUS Abstract of JP 09227317 A2 issued 1997.	

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	L-144	Al Zahrani, S.M., "Utilization of Polyethylene and Paraffin Waxes as Controlled Delivery Systems for Different Fertilizers", Ind. Eng. Chem. Res., 2000, vol 39, pp 369-371.			
	L-145	Ault et al., "Infrared and Raman Spectra of the M+Cl <sub>3</sub> ion Pairs and Their Chlorine-bromine Counterparts isolated in Argon Matrices", Journal of Chemical Physics, 1976, Vol. 64, No. 12, ppg. 4853-4859.			
	L-146	Author unknown, "Big Brother Brominator - Brominators", Bulky Systems Website, < <a href="http://www.bulksystemsinc.com/brominator.html">http://www.bulksystemsinc.com/brominator.html</a> >, (Visited August 10, 2001). 1 page.			
	L-147	Author unknown, "Bio Lab Brominator", Conely Company Website, < <a href="http://www.conelyco.com/Pool-Spa/parts/biobrom.htm">http://www.conelyco.com/Pool-Spa/parts/biobrom.htm</a> > (Visited August 10, 2001), 2 pages.			
	L-148	Carpentier et al., "Biofilms and their consequences, with particular reference to hygiene in the food industry", Journal of Applied Bacteriology, 1993, Vol. 75, ppg 499-511.			
	L-149	Chowhan et al., "Hardness Increase Induced by Partial Moisture Loss in Compressed Tablets and Its Effect on In Vitro Dissolution", J. Pharm. Sciences, October 1978, Vol. 67, No. 10, ppg. 1385-1389.			
	L-150	Corral et al., "Substitution in the Hydantoin Ring. III. Halogenation", J. Org. Chem., 1963, Vol. 28, ppg. 1100-1104.			
	L-151	Discount Pool & Spa Supplies, Automatic Chlorinators and Chemical Feeders Website, < <a href="http://www.discountpoolsupplies.com/Chemfeeders/">http://www.discountpoolsupplies.com/Chemfeeders/</a> > Visited August 10, 2001, 3 pages.			
	L-152	Gottardi: Reaction of Cl Br - In Aqueous solution (76 Zeutalks. Bakteriol., Parasiteukd, ) In Fektionskr. Hyg., Abt. 1; Orig., Geihe B 162 (3-4), ppg 384-388.			
	L-153	Hayward America's #1 Pool Water Systems Product Catalog, "Automatic Chemical Feeders" "Chlorinators (Slow Dissolve Tri-Chlor Only) and Brominators, Hayward Pool Products Inc. Website, < <a href="http://www.haywardnet.com/products/catalog/displayProdInfo.cfm?itemID=61">http://www.haywardnet.com/products/catalog/displayProdInfo.cfm?itemID=61</a> >, 2 pages.			
	L-154	Hayward America's #1 Pool Water Systems Product Catalog, "Automatic Chemical Feeders" "Chlorinators (Slow Dissolve Tri-Chlor Only) and Brominators, Buyers Guide, Hayward Pool Products Inc., Website, < <a href="http://www.haywardnet.com/products/catalog/displayProdInfo.cfm?itemID=60">http://www.haywardnet.com/products/catalog/displayProdInfo.cfm?itemID=60</a> >, 2 pg			
	L-155	Hayward Pool Products Owner's Guide, Installation and Operating Instructions, "Hayward Chemical Feeder", Models C250CF, C500CF, C1100CF, C1800CF, C2400CF, - 1998 - 4 pages			
	L-156	Jolles, "General Methods of Bromination", Bromine and its Compounds, 1966, Ernest Benn, London, ppg. 365.			

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